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APPLICATION NO	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,884		09/22/2003	Keiji Hayashida	Q77404	4264
23373	7590	03/08/2005		EXAMINER	
SUGHRU			KINKEAD, ARNOLD M		
2100 PENN SUITE 800		IA AVENUE, N.W.		ART UNIT	PAPER NUMBER
WASHING		20037		2817	

DATE MAILED: 03/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summary	10/664,884	HAYASHIDA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Arnold M. Kinkead	2817				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	86(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
Responsive to communication(s) filed on This action is FINAL. 2b)⊠ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) Claim(s) 1-11 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1,3,7 and 8 is/are rejected. 7) Claim(s) 2,4-6,9,10 and 11 is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine. 10) The drawing(s) filed on 22 September 2003 is/a Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction.	r election requirement. r. are: a)⊠ accepted or b)□ object drawing(s) be held in abeyance. See fon is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list of 	s have been received. s have been received in Application ity documents have been receive I (PCT Rule 17.2(a)).	on No d in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary (
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te				
S. Patent and Trademark Office		yun -				

PTOL-326 (Rev. 1-04)

Office Action Summary

Part of Paper No./Mail Date 20050301

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed

of record in the file.

2.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1,3,7, and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Hwang et al(US 6,346,838).

 The reference by Hwang et al discloses a PLL, phase locked loop circuit, see figure 3, which has been implemented as an integrated circuit, see col. 1, lines 5-10, for example, that comprises a DLL circuit(12,36,38,40(control circuit for first delay circuit(36))) for detecting a phase difference between an external reference clock(CLK_IN) and a Feedback clock(FB synchronous clock signal). A reference delay clock(REF) and synchronous clock delay signal(FCK) are shown. VCDL(36) allows for the adjustment of the phase difference (based on the increase in current(UP,or decrease DN)) from charge pump(40) to allow for offset/skew correction. The analog PLL including (26,20,24) supplied with the reference clock and synchronous clock delayed signals(RCK,FCK). The phase of an

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output control signal(CLK_OUT) is synchronized with the CLK_In and sent to electronic circuit(14). Note second delay circuit(32).

Allowable Subject Matter

5. Claims 2,4-6, and 9-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The examiner could not find fair suggestion for the plurality of delay, cascaded units...plurality of detected results...sum of the detected phase differences...maximum delay times set to a value...and total delay set...to absolute value...

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arnold M. Kinkead whose telephone number is 571-272-1763. The examiner can normally be reached on Mon-Fri, 8:30 am -5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9,197 (toll-free).

Amold M Kinkead Primary Examiner

Art Unit 2817

Arnold Kinkead March 01, 2005